

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:)	Group Art Unit No.
)	Examiner:
NEFF, DENNIS B., et al.)	
)	
Serial No.:)	
)	
Filed:)	
)	
Title: CONCURRENT PHASE ANGLE)	
GRAPHIC ANALYSIS)	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Transmitted herewith is a list on Form PTO-1449 of patents, publications, or other information submitted by the applicants for consideration by the Office pursuant to the duty of disclosure under 37 CFR 1.56, together with legible copies of each of such documents to the extent clean copies are available.

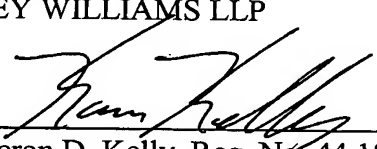
It is respectfully submitted that the present invention as claimed is patentable over the listed references.

Any fee which might be due in connection with this Disclosure Statement should be applied against our Deposit Account No. 19-0522,

Respectfully submitted,

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By


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FORM PTO-1449 (Rev. 2-32) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 33210 (34090US)	SERIAL NO.
	APPLICANT: NEFF, DENNIS B., et al.	
	FILING DATE:	GROUP:

U.S. PATENT DOCUMENTS

EXAM. INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5	6	6	1	6	9	7	8/26/97	Swan et al.			
		5	7	8	4	3	3	4	7/21/98	Sena et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

			Swan, "Properties of Direct AVO Hydrocarbon Indicators", Offset-Dependent Reflectivity - Theory and Practice of AVO Analysis (Castagna, J.P. & Backus, M.M., eds., Soc. Expl. Geophys., 1993), pp. 78-92.

EXAMINER: Initial if citation considered, whether not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.